

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

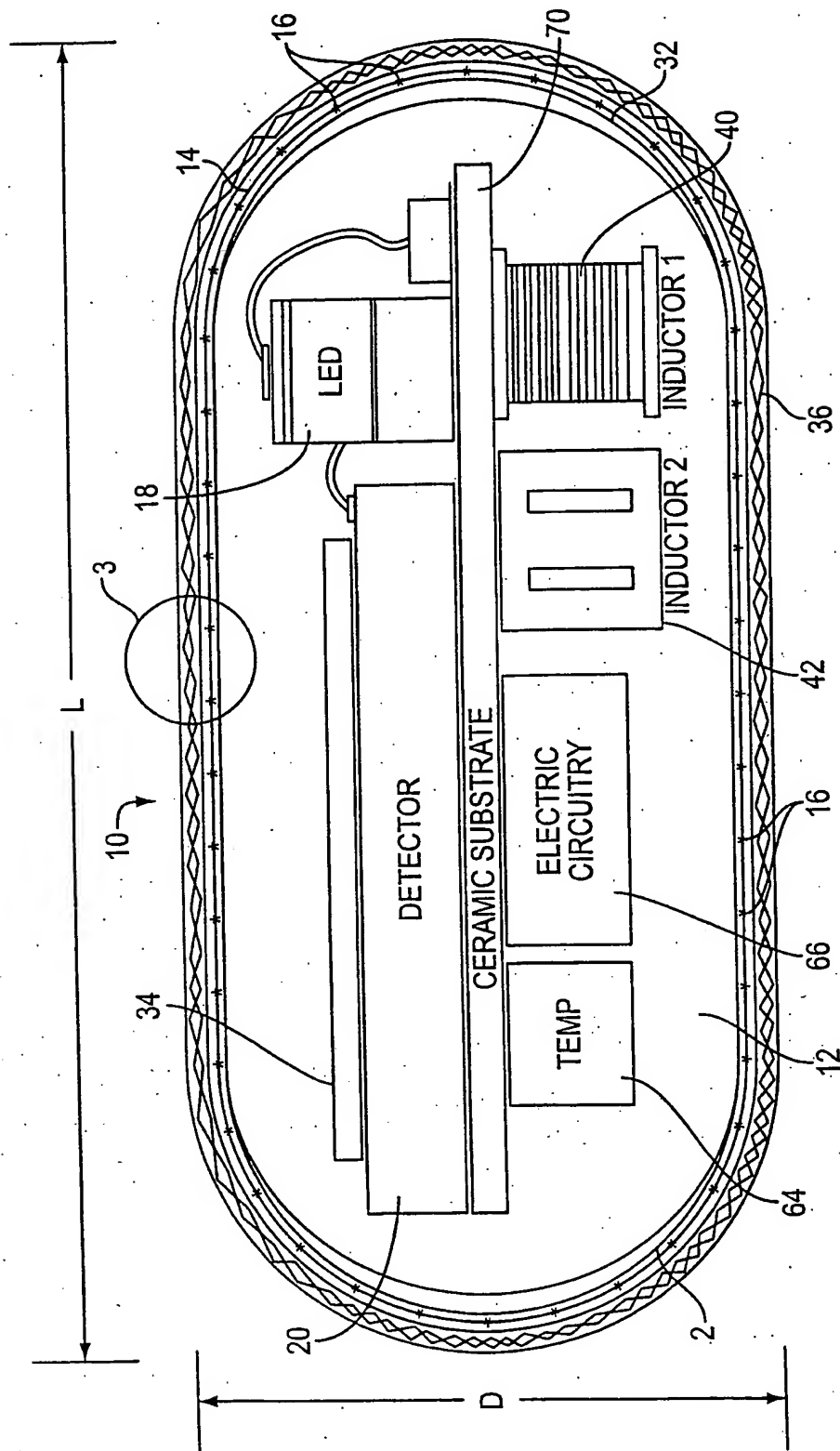


FIG. 1

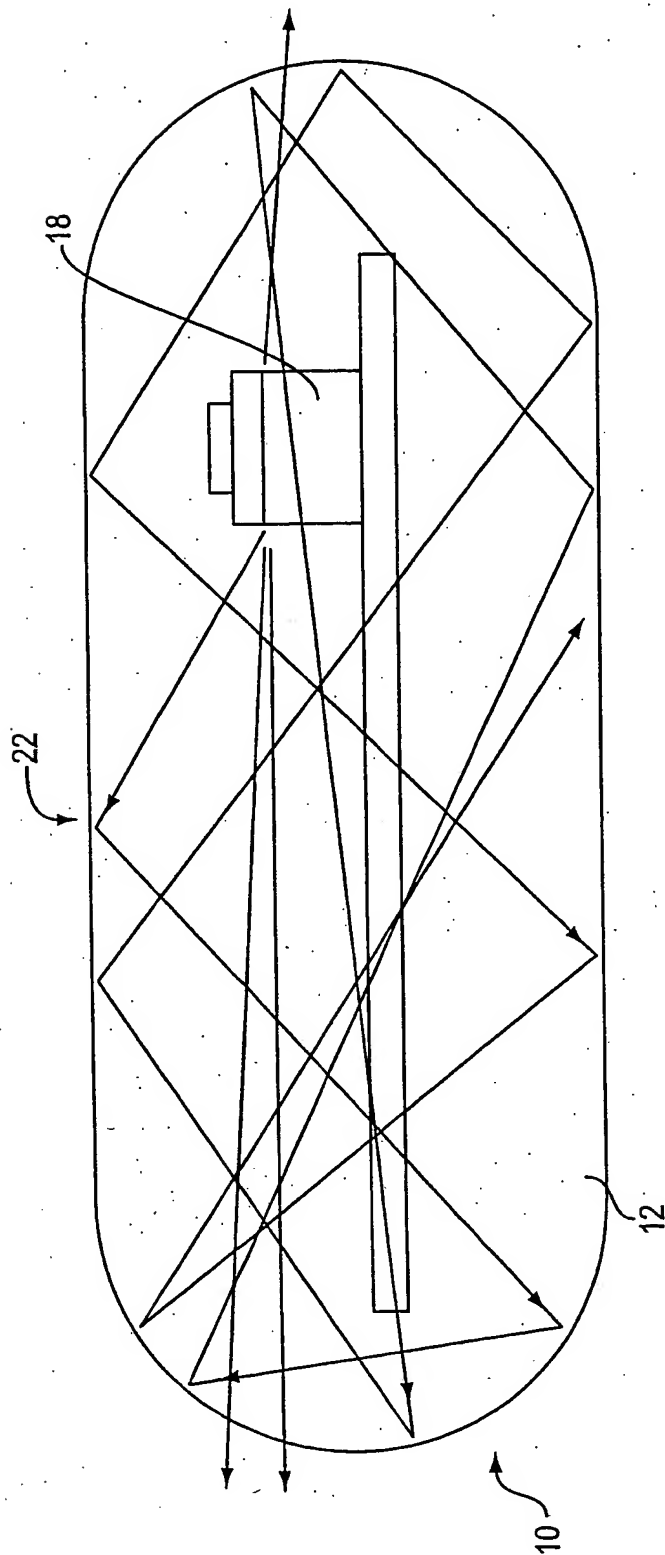


FIG. 2

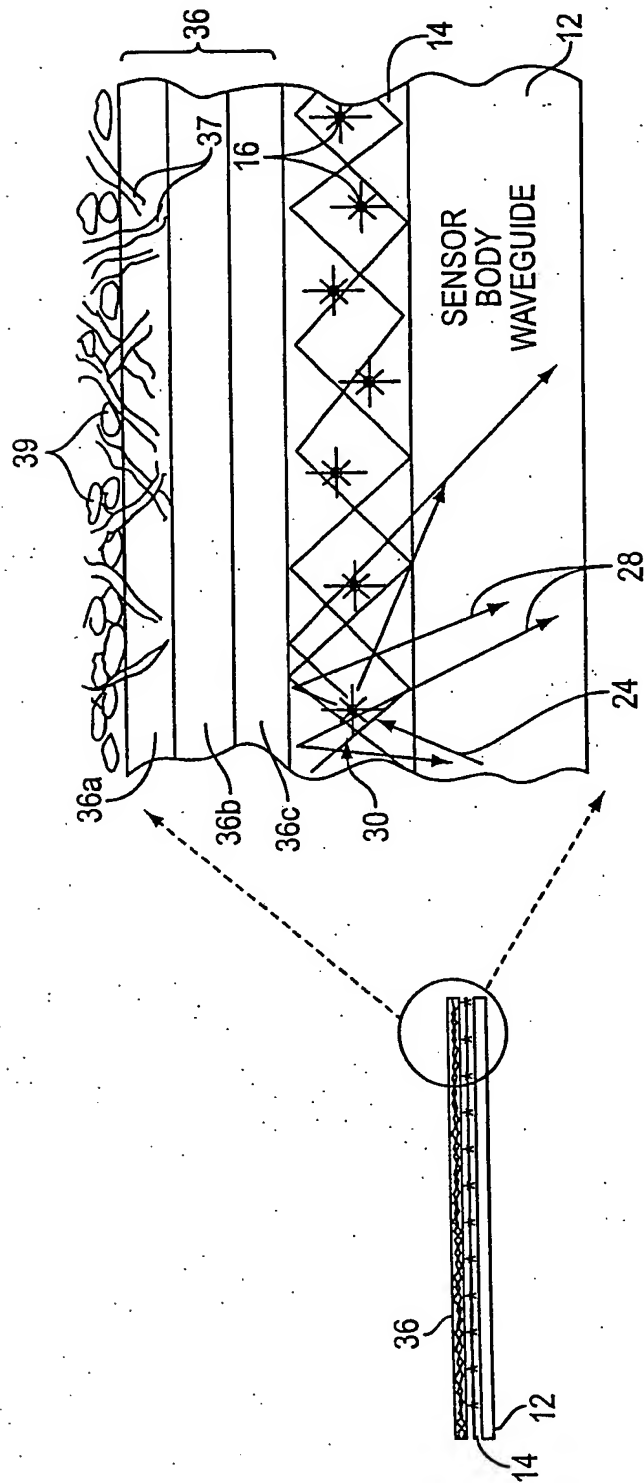


FIG. 3

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

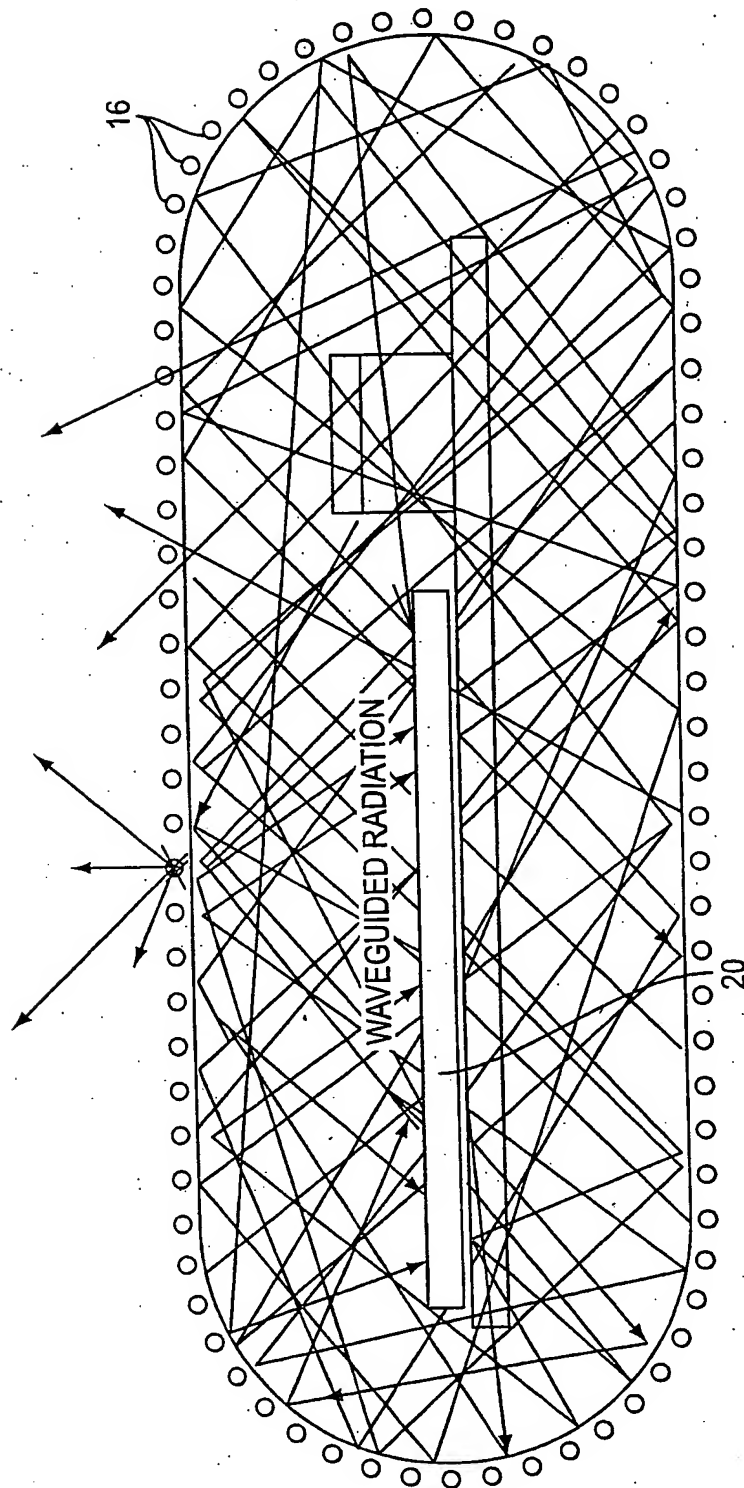


FIG. 4

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

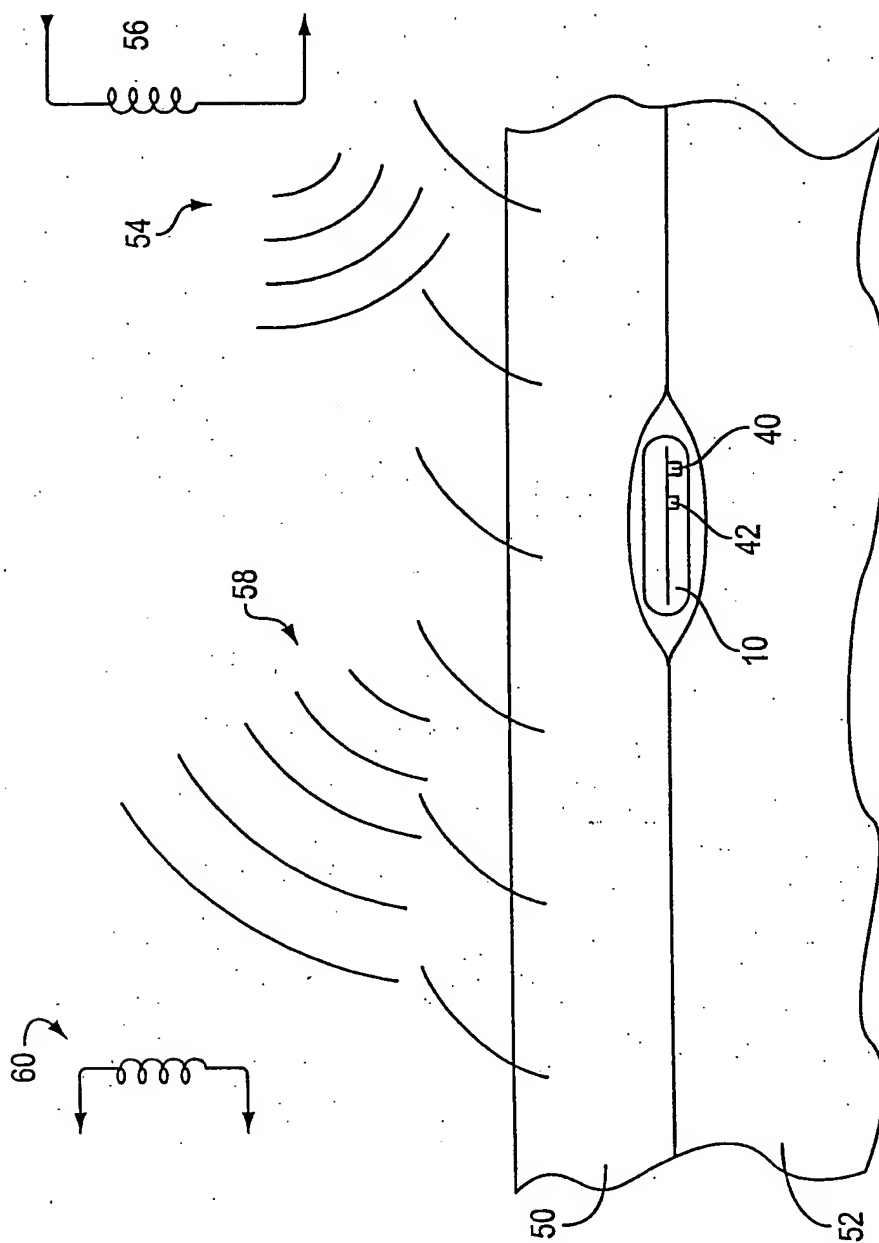


FIG. 5

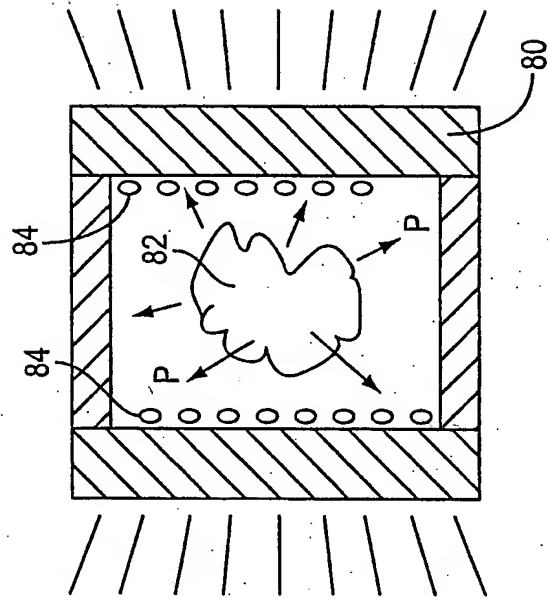
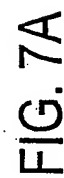
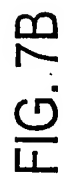


FIG. 6

Atty. Dkt. 2232-205



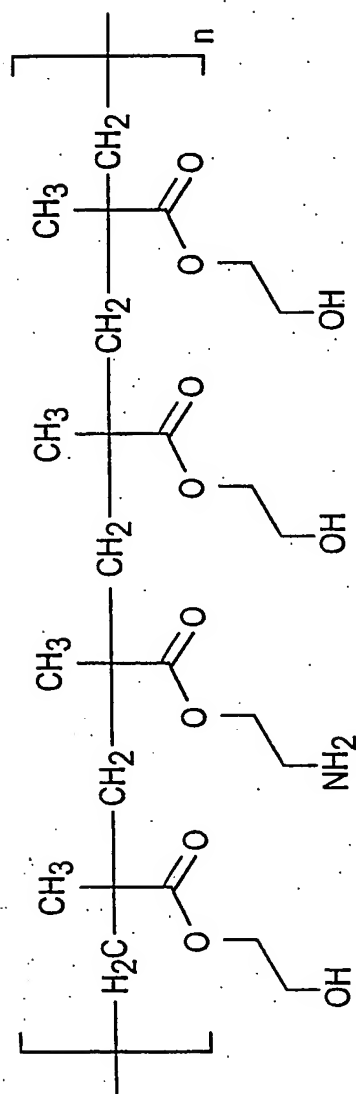


FIG. 8

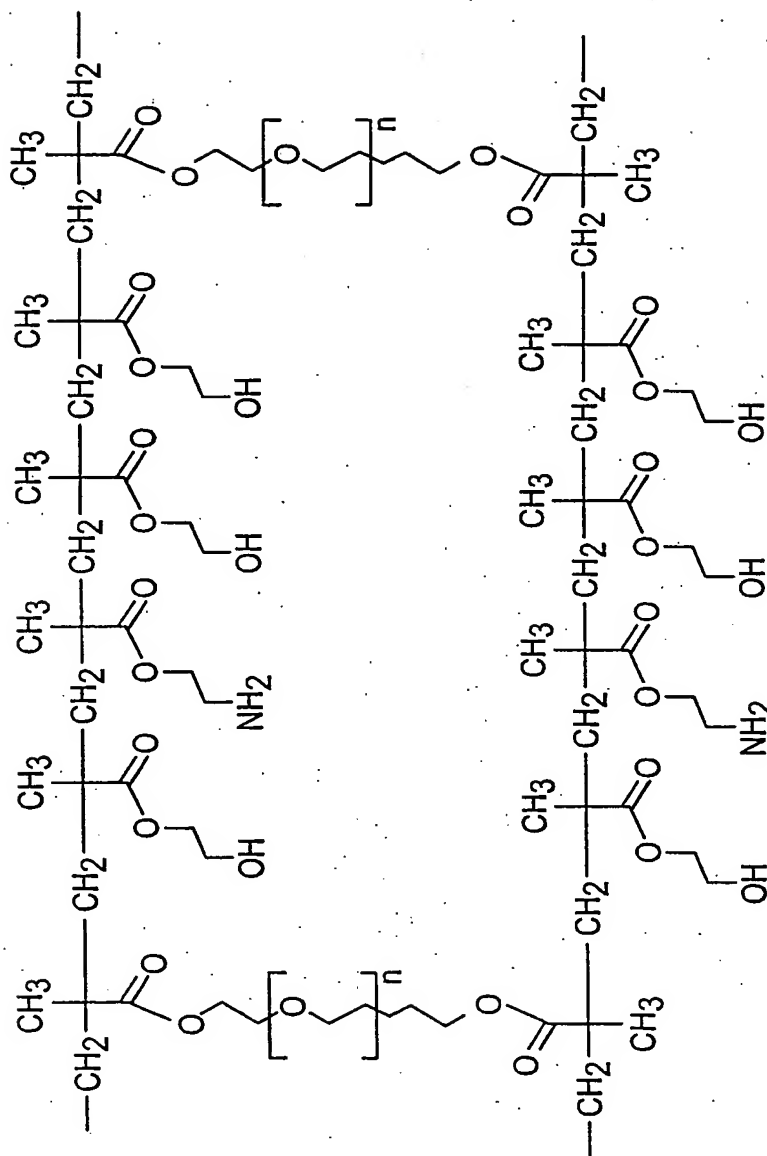


FIG. 9

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

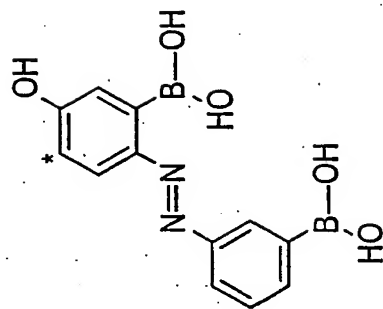


FIG. 10

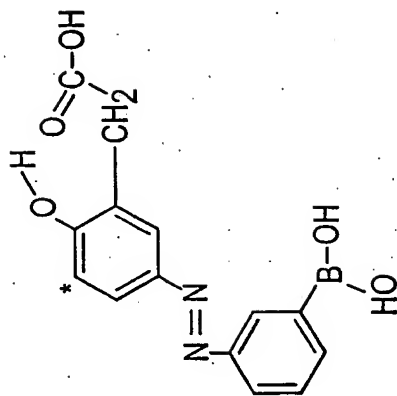


FIG. 11

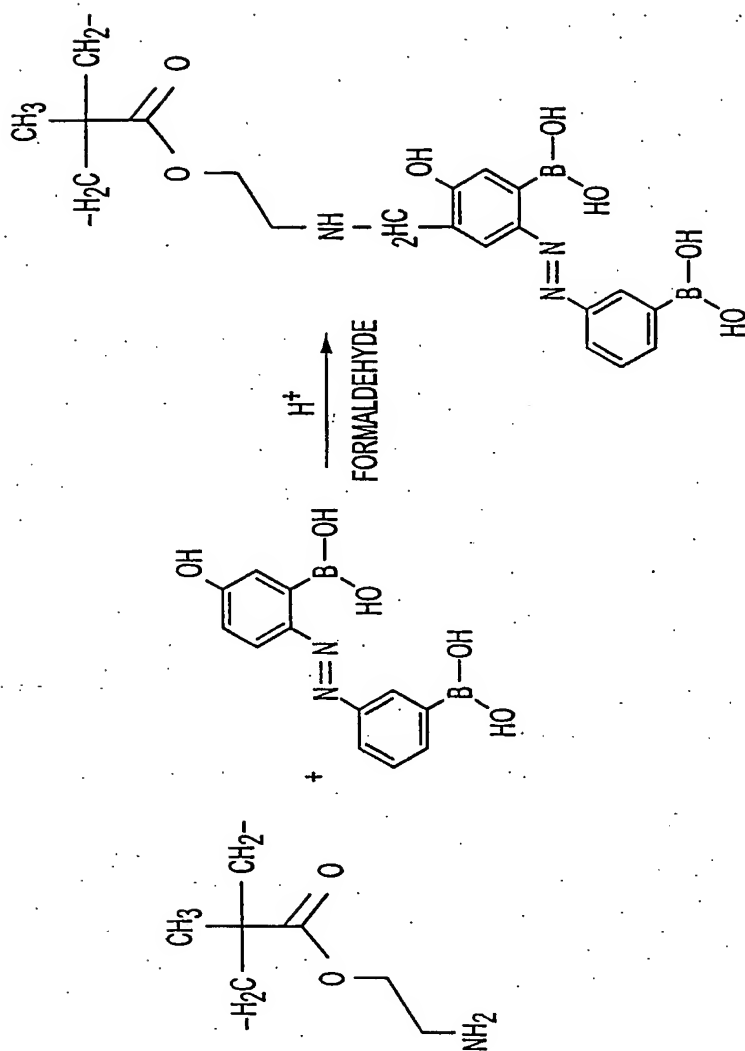


FIG. 12

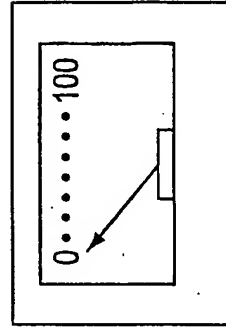
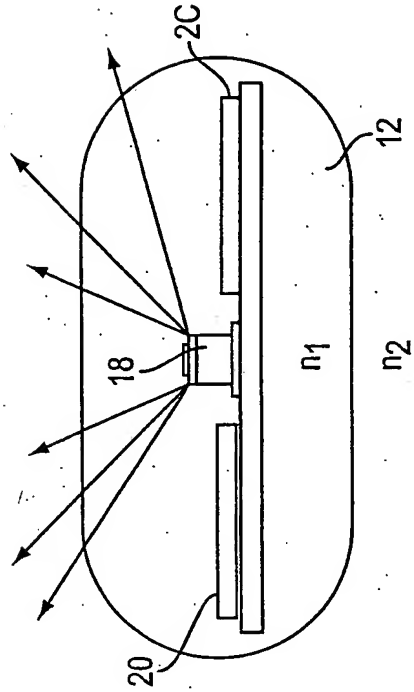


FIG. 13B

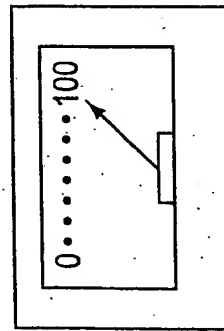
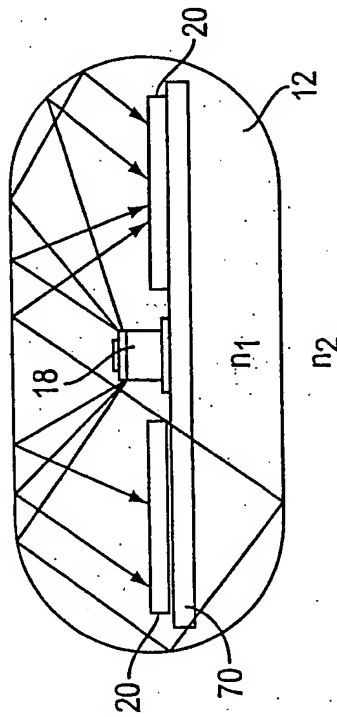


FIG. 13A

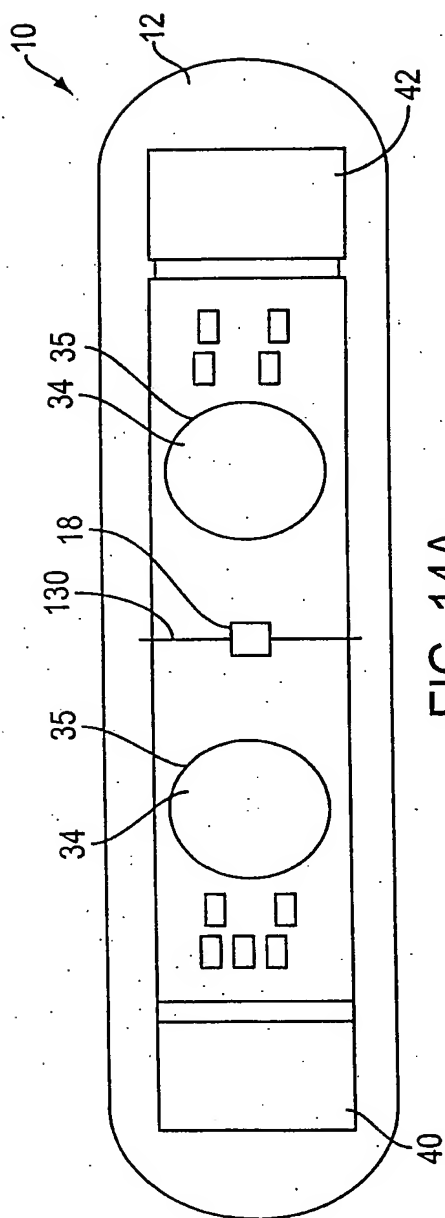


FIG. 14A

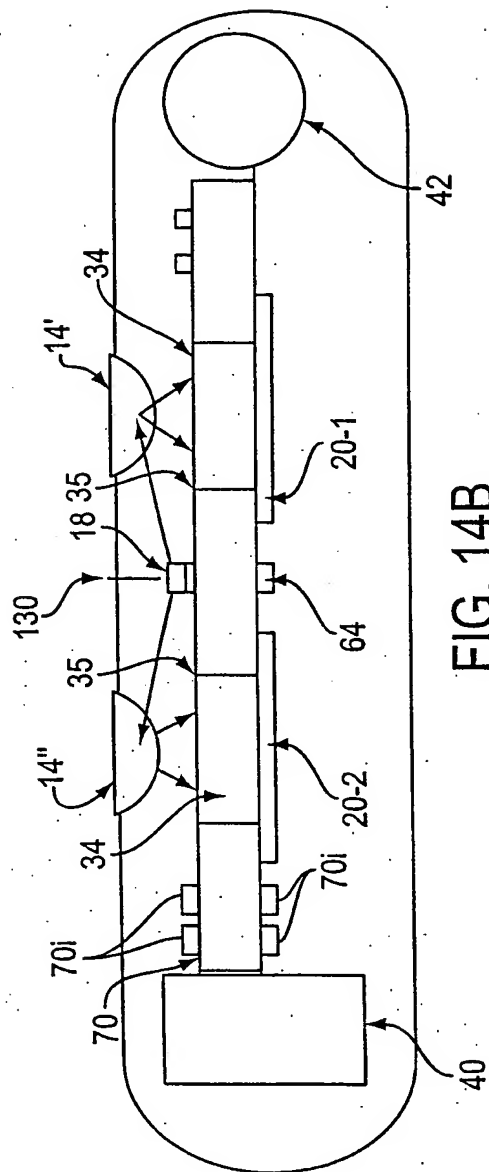


FIG. 14B

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

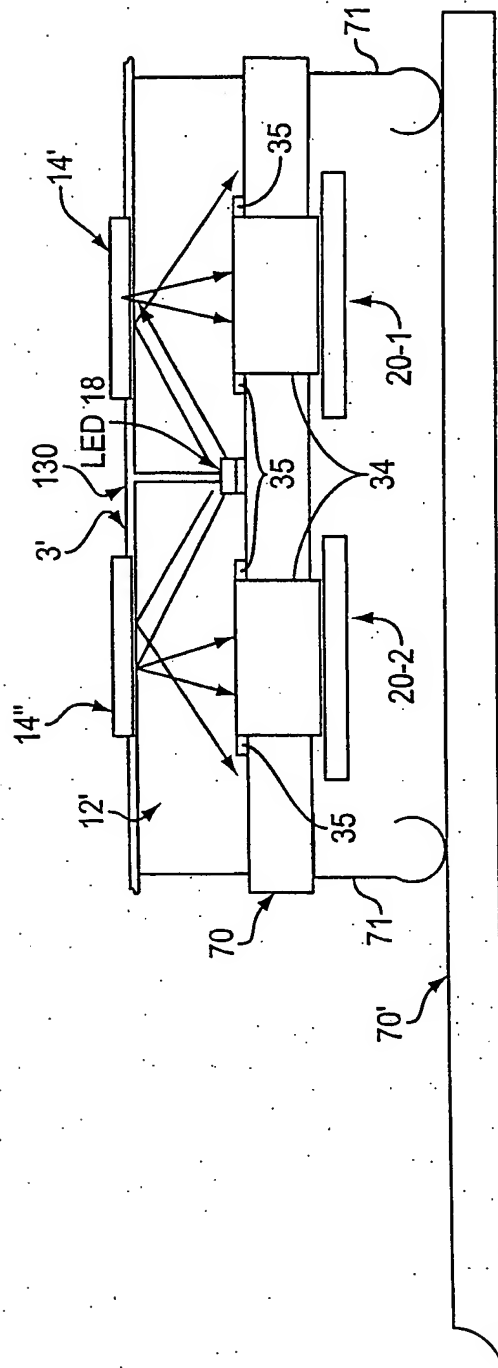


FIG. 14C

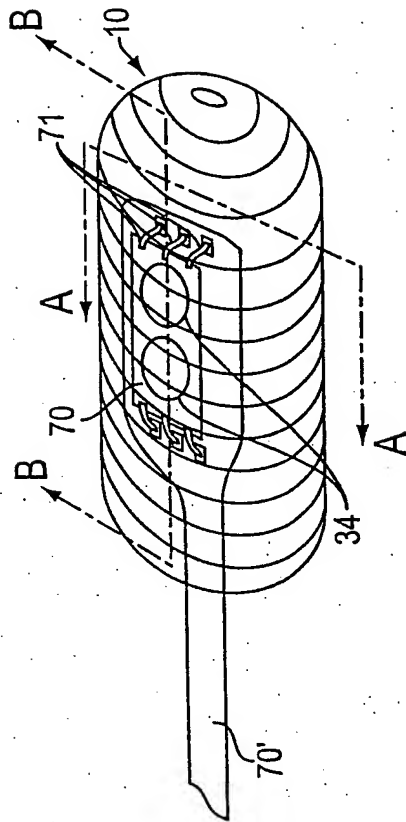


FIG. 14D

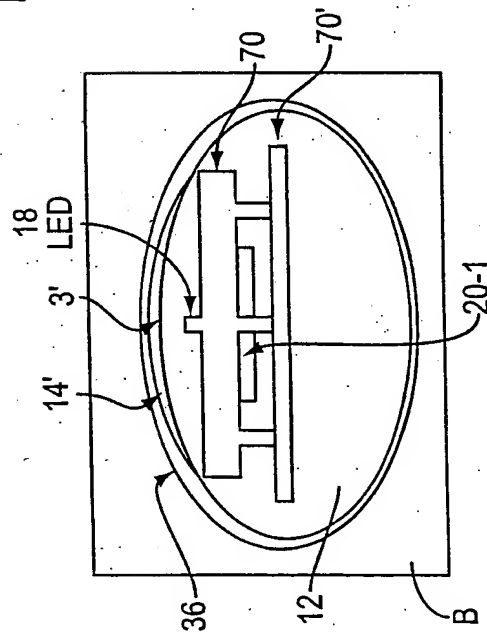


FIG. 14E

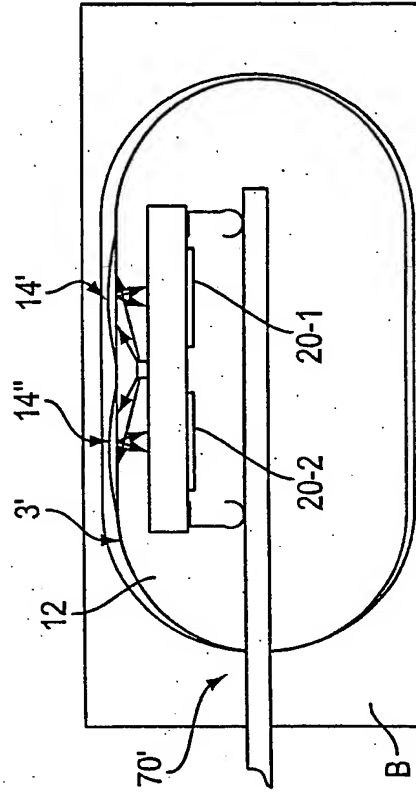
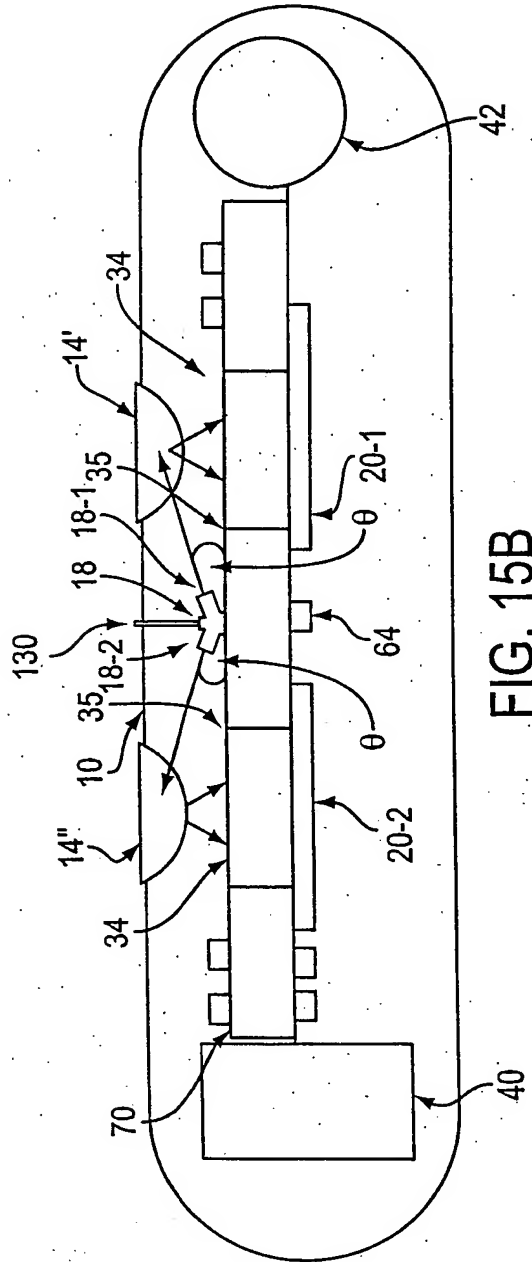
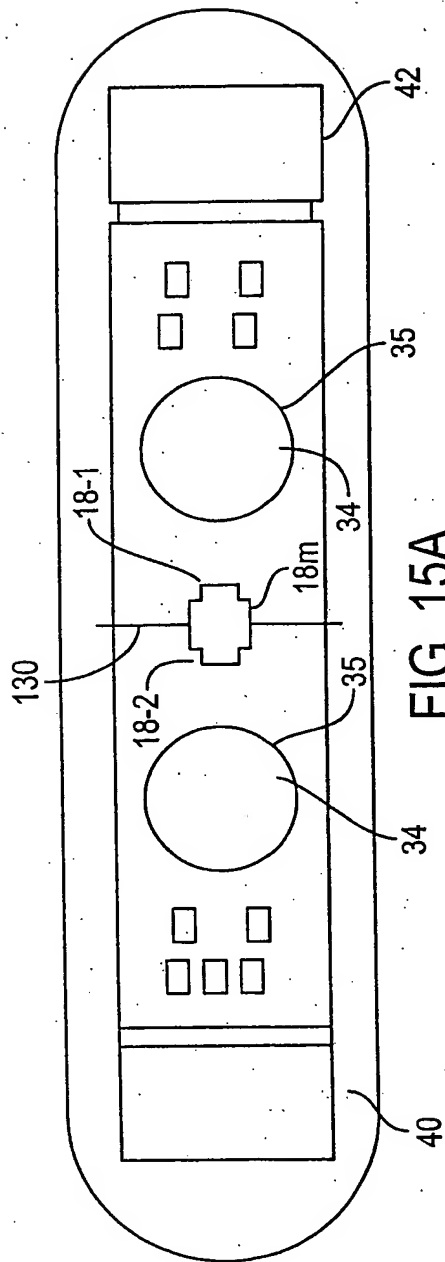


FIG. 14F



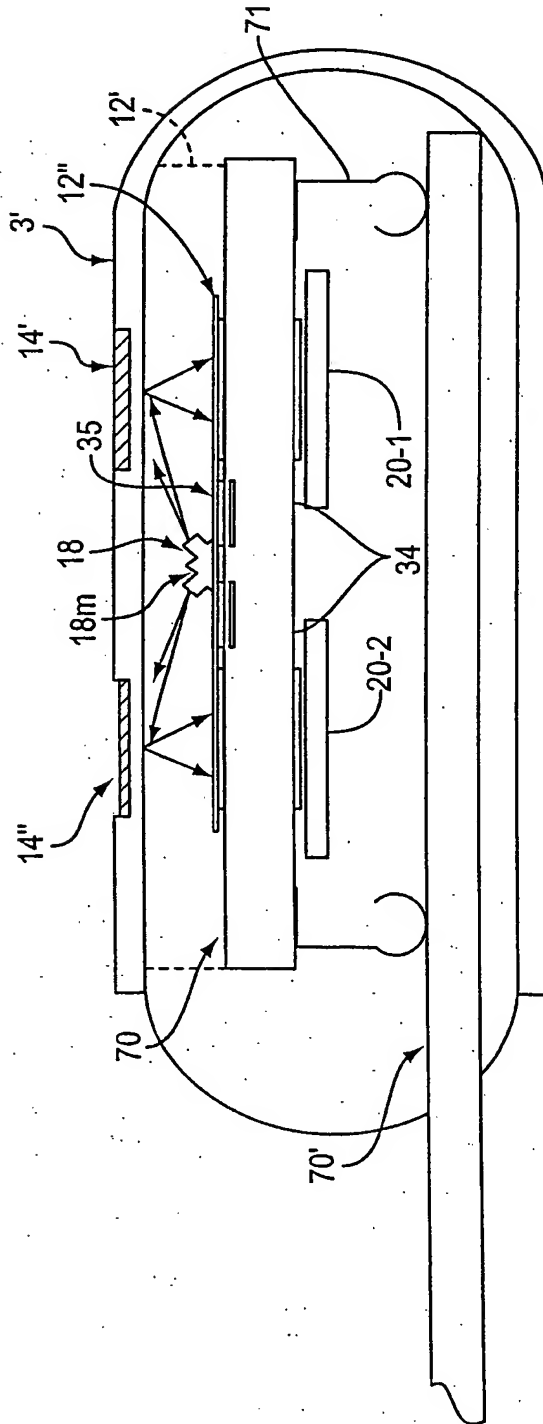


FIG. 15C

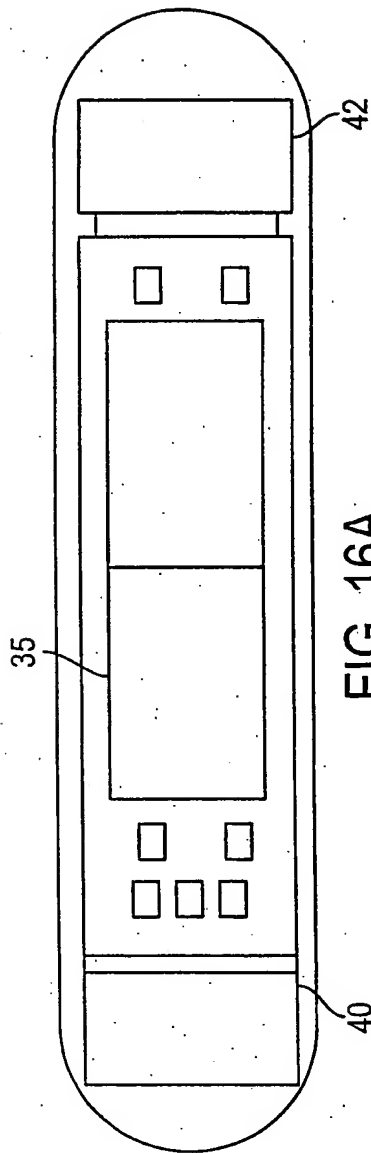


FIG. 16A

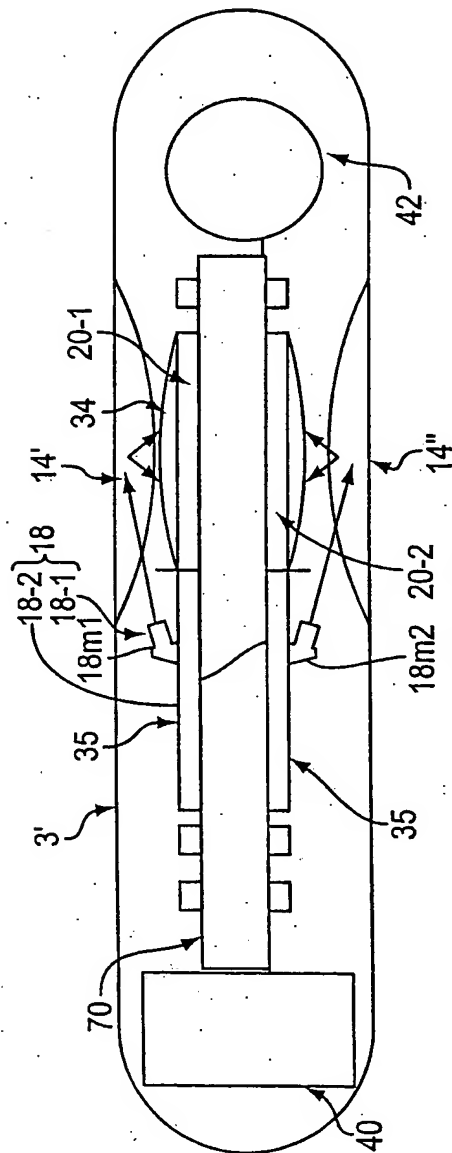


FIG. 16B

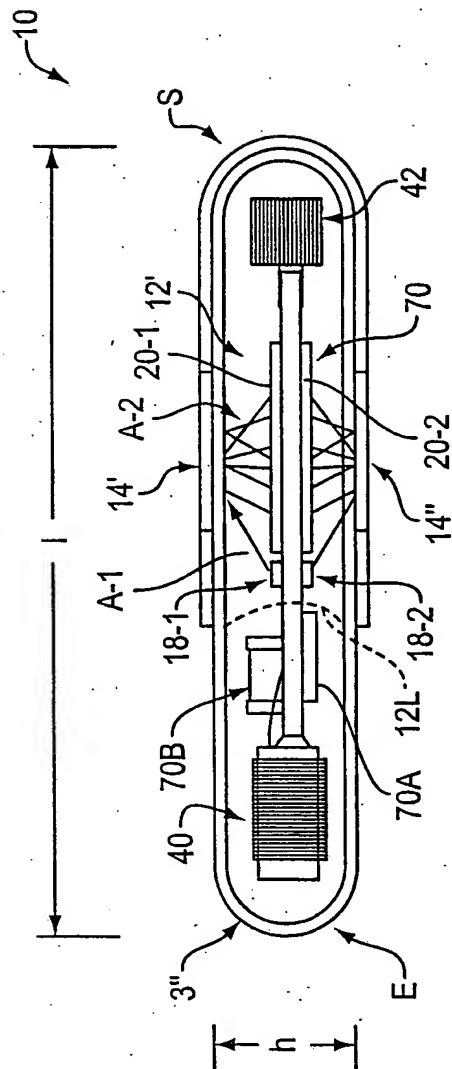


FIG. 17A

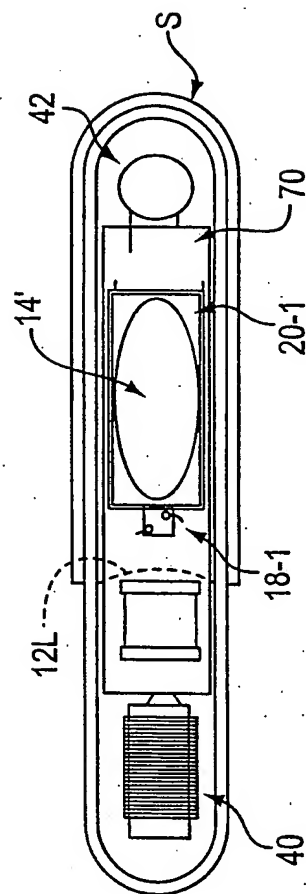


FIG. 17B

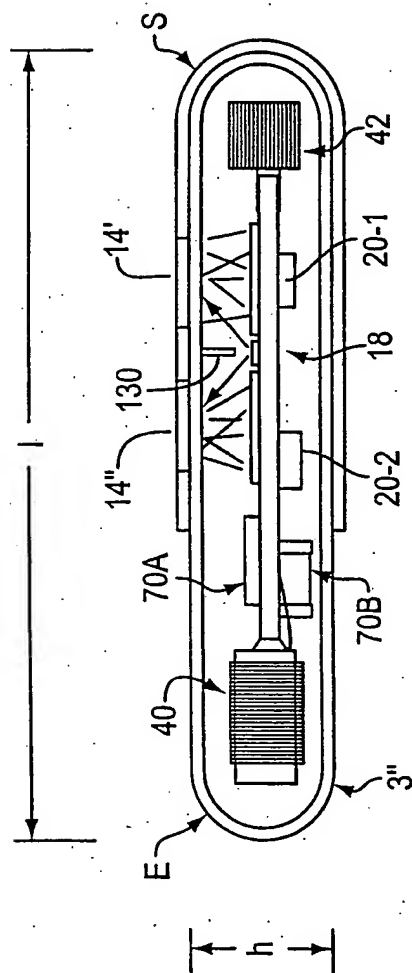


FIG. 17C

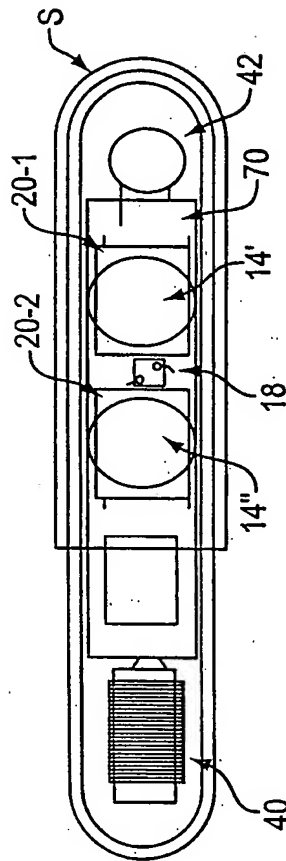


FIG. 17D

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

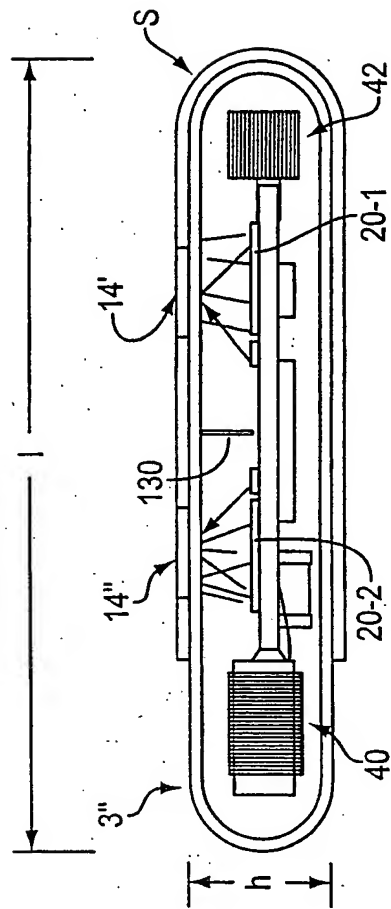


FIG. 17E

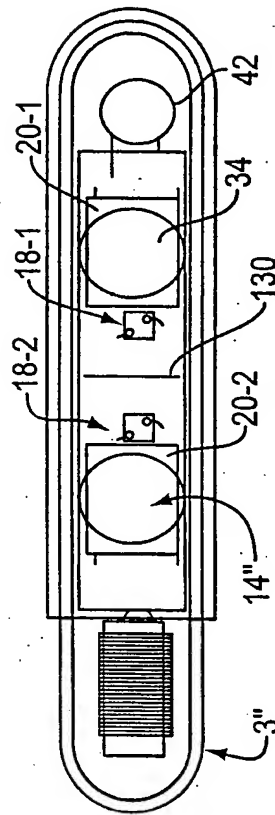
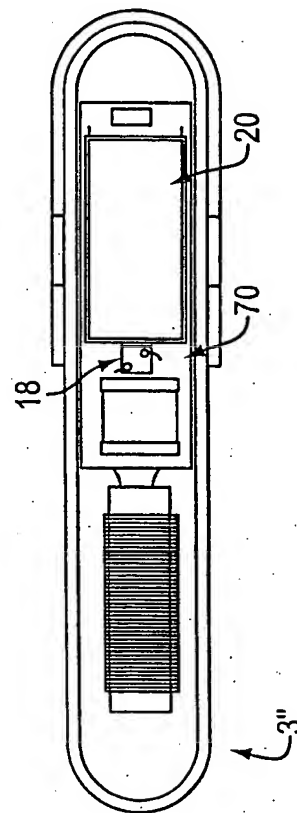
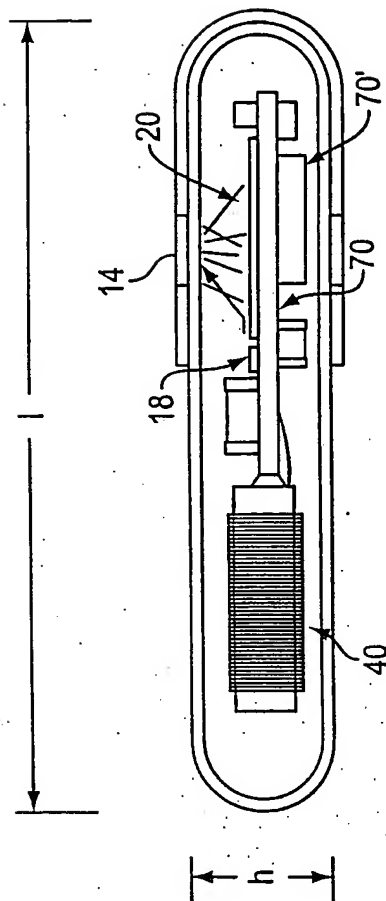


FIG. 17F

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205



OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

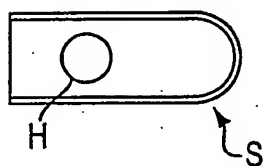


FIG. 19A

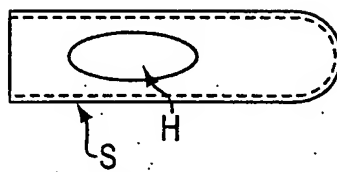


FIG. 19E

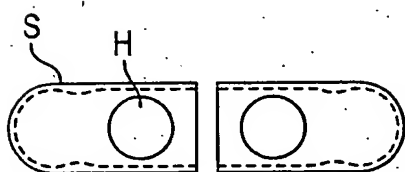


FIG. 19B

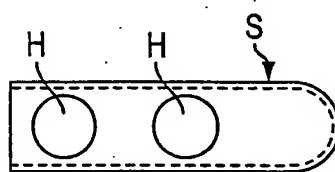


FIG. 19F

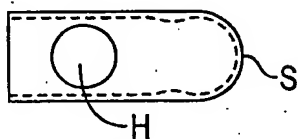


FIG. 19C

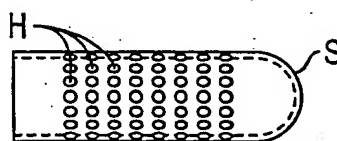


FIG. 19G

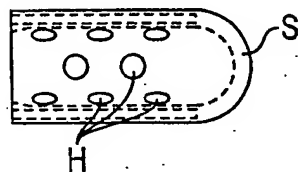


FIG. 19D

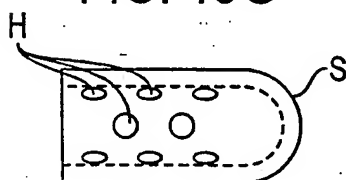


FIG. 19H

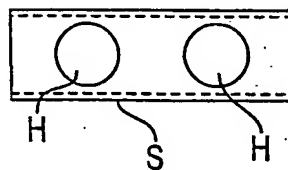


FIG. 19I

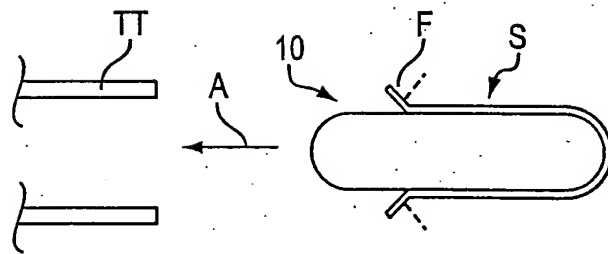


FIG. 19J

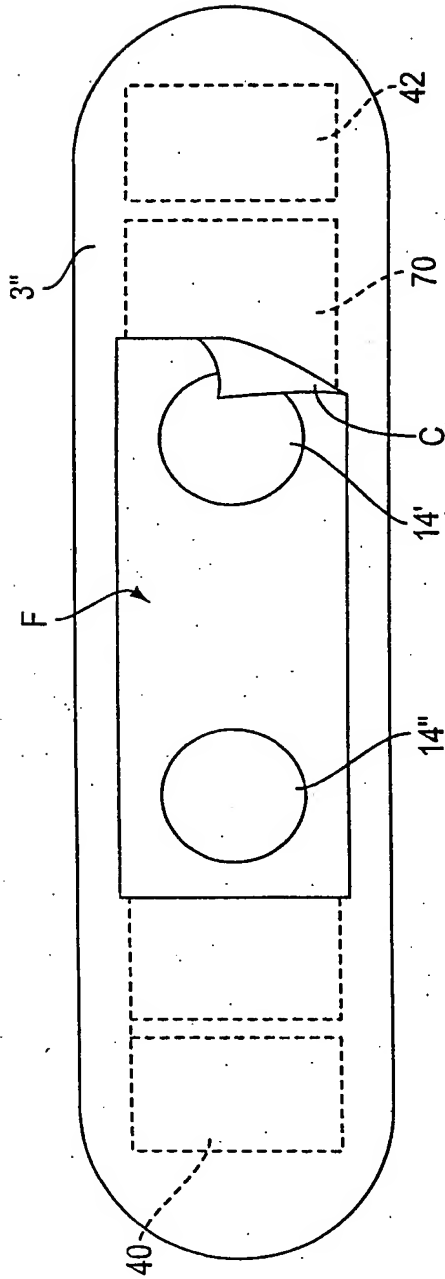


FIG. 20A

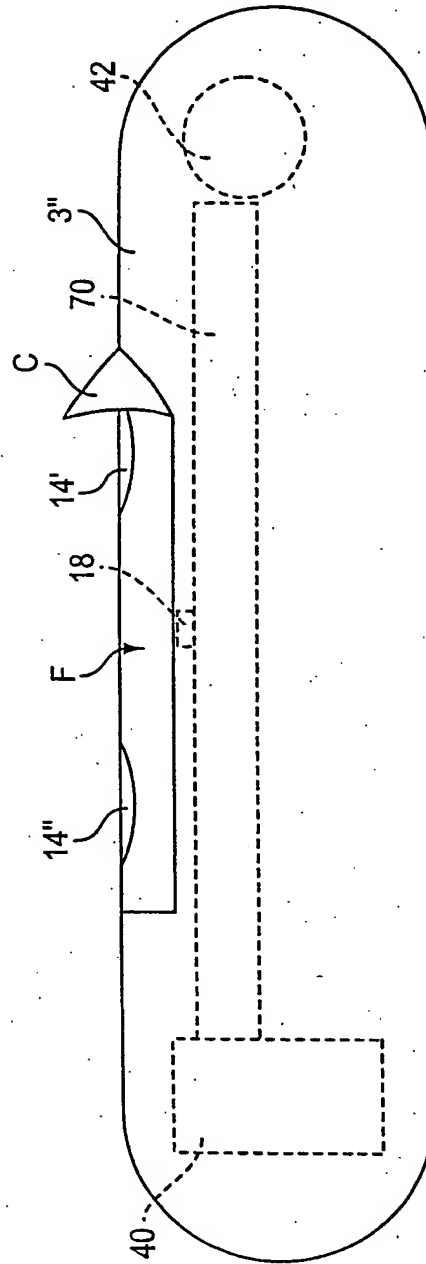


FIG. 20B

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

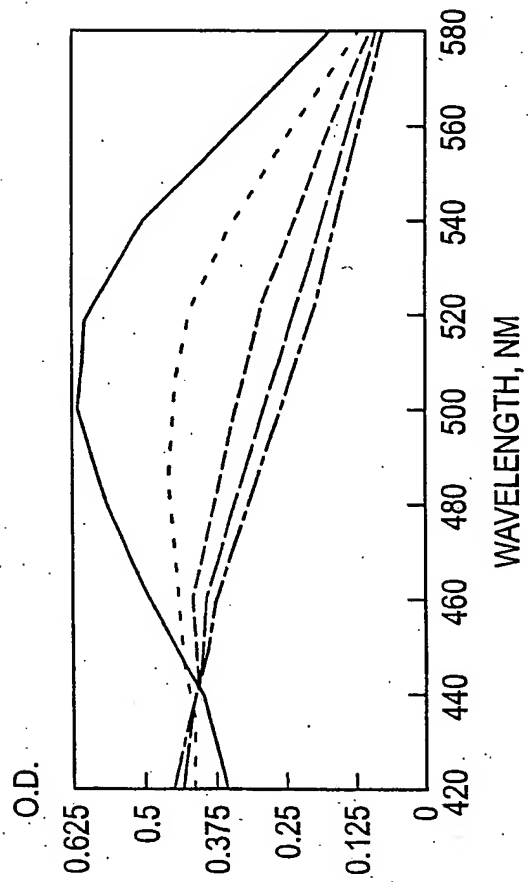
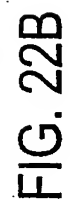
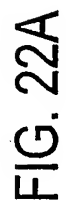


FIG. 21

Arthur E. Colvin, Jr.
Atty. Dkt. 2232-205

Arthur E. Colvin, Jr.
Atty. Dkt. 2232-205



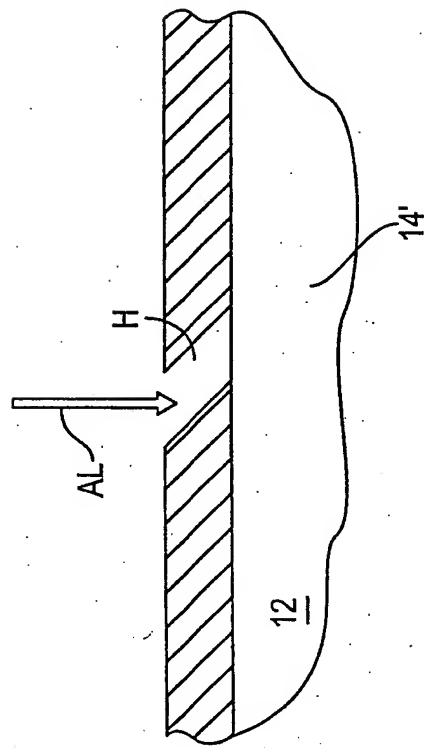


FIG. 22C

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

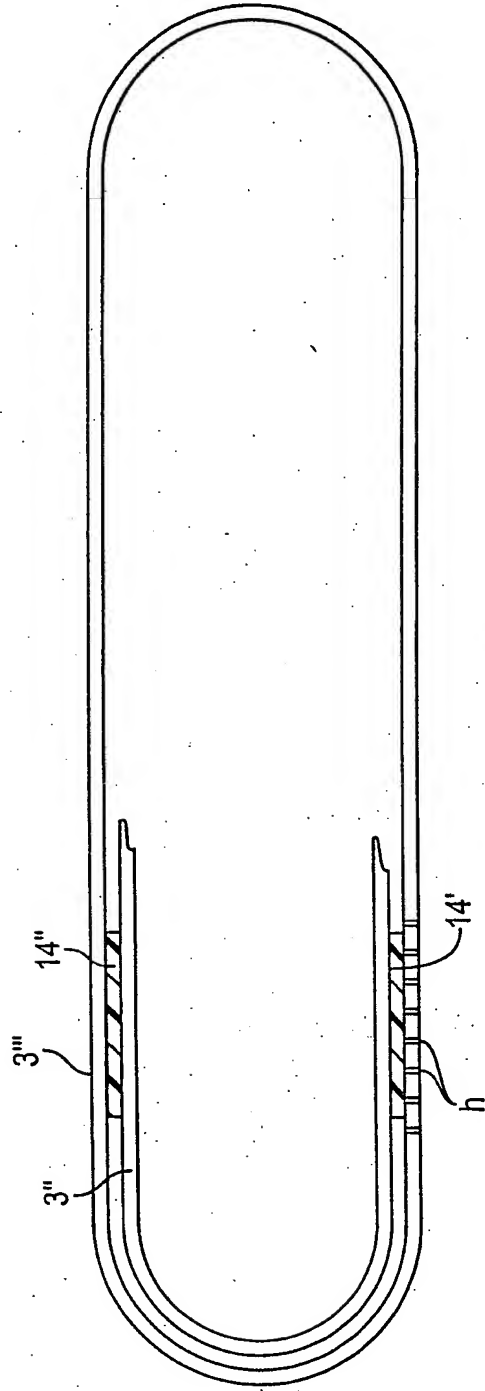
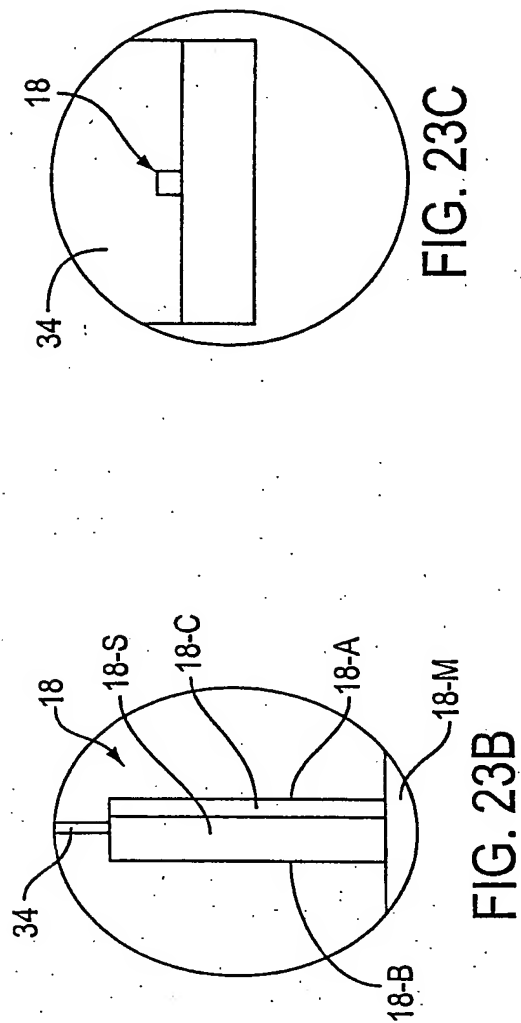
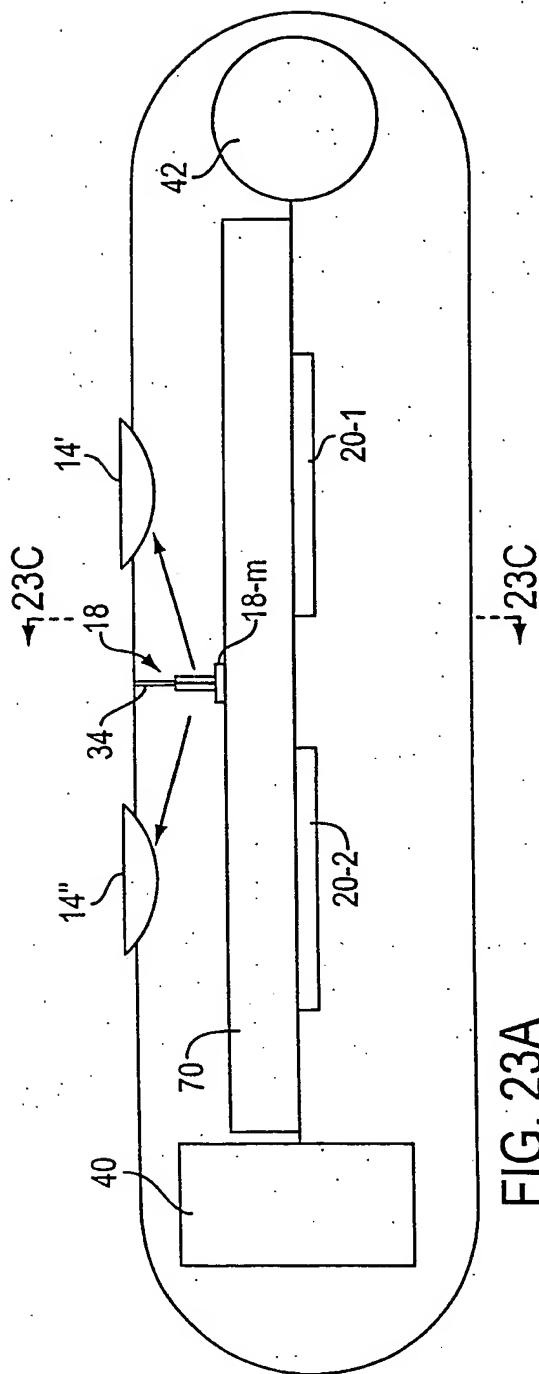


FIG. 22D



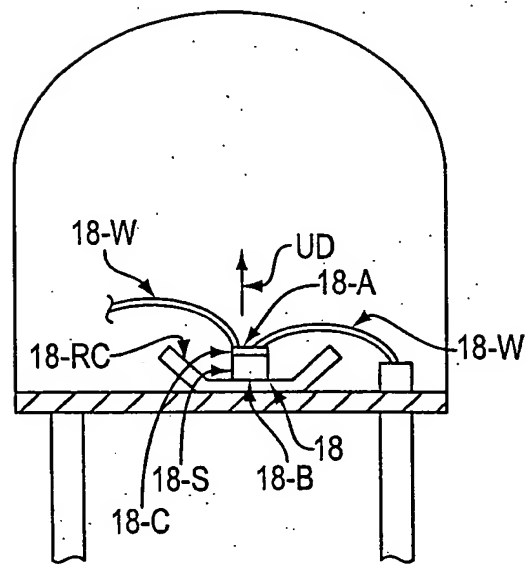


FIG. 23D

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

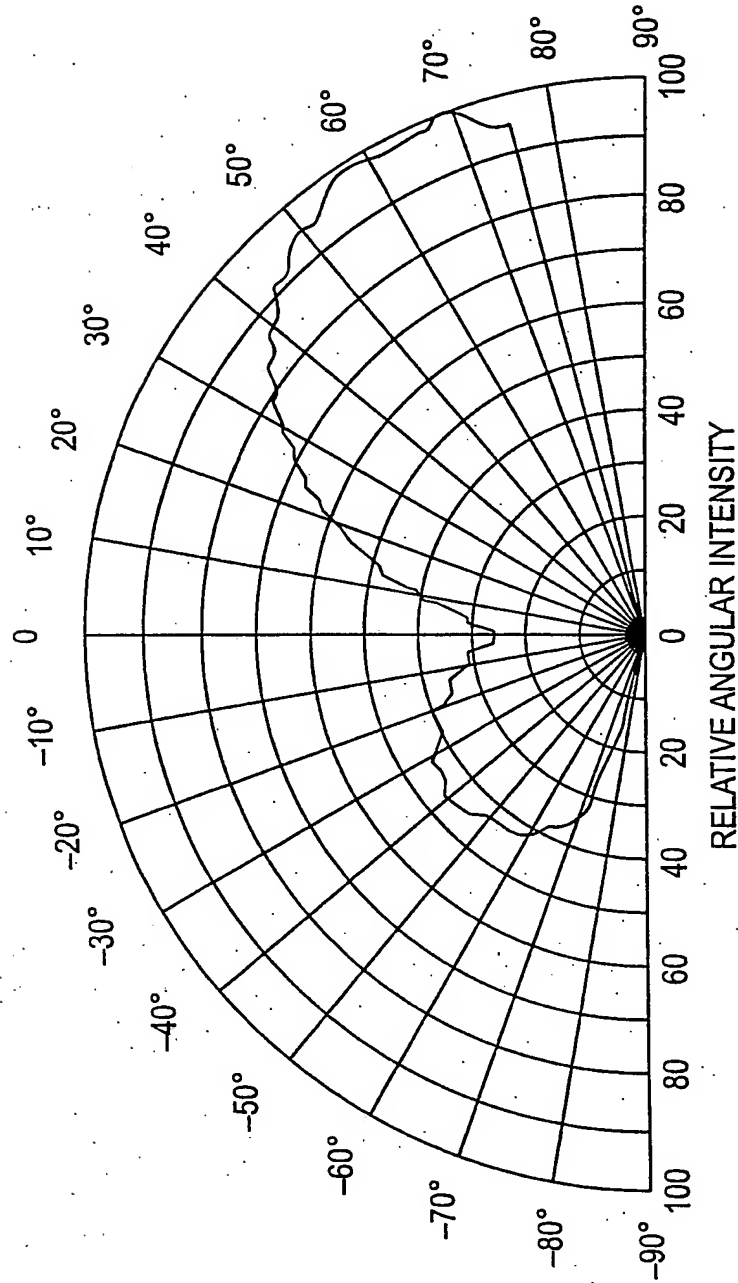


FIG. 24A

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

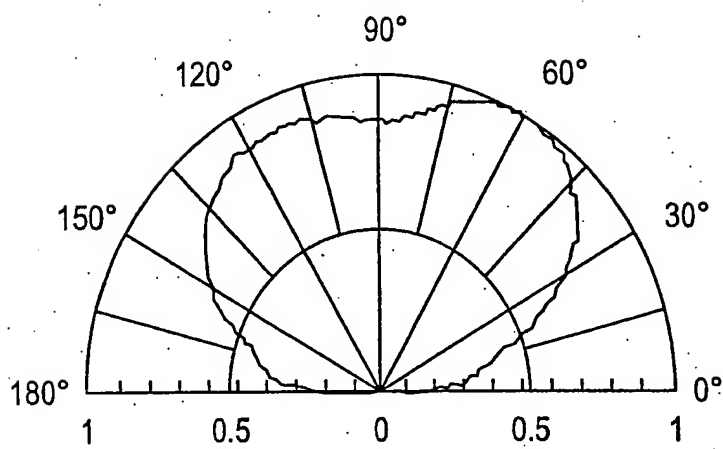
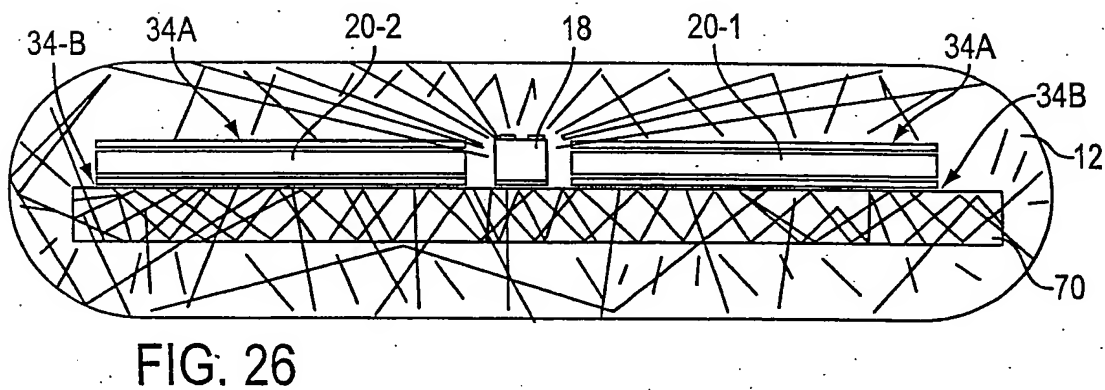
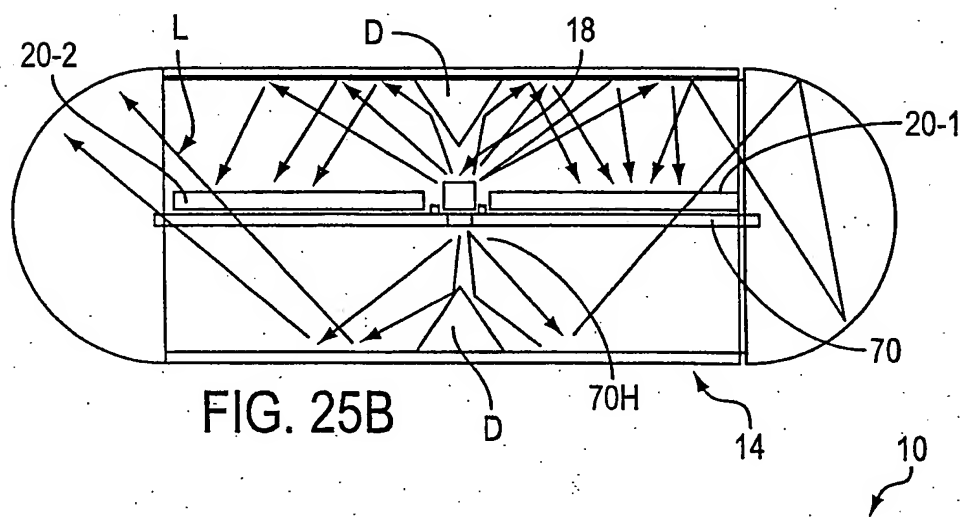
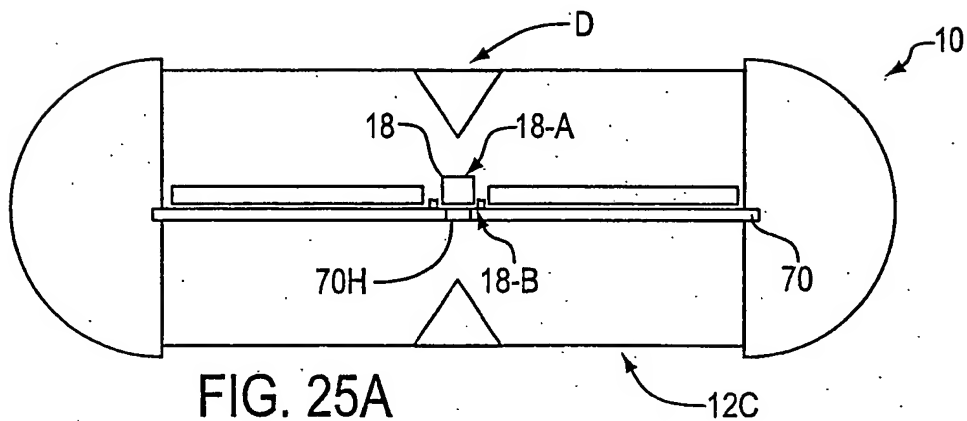


FIG. 24B

OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

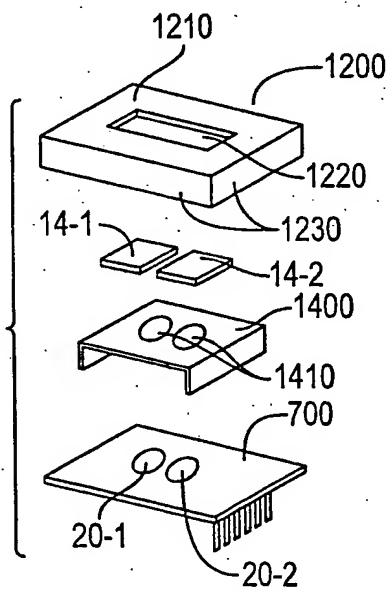
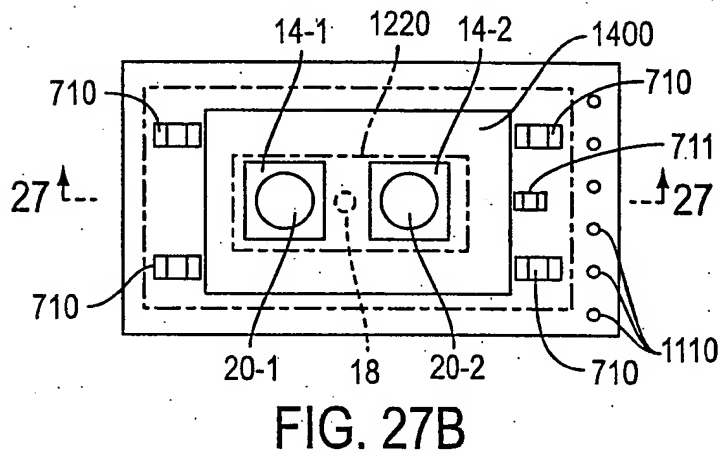
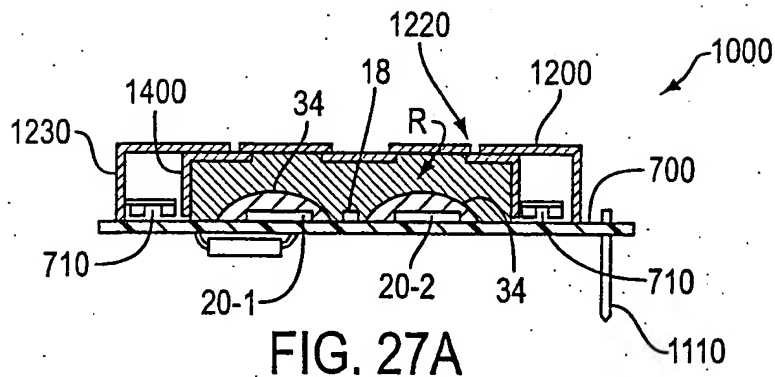
Atty. Dkt. 2232-205



OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205



OPTICAL-BASED SENSING DEVICES

Arthur E. Colvin, Jr.

Atty. Dkt. 2232-205

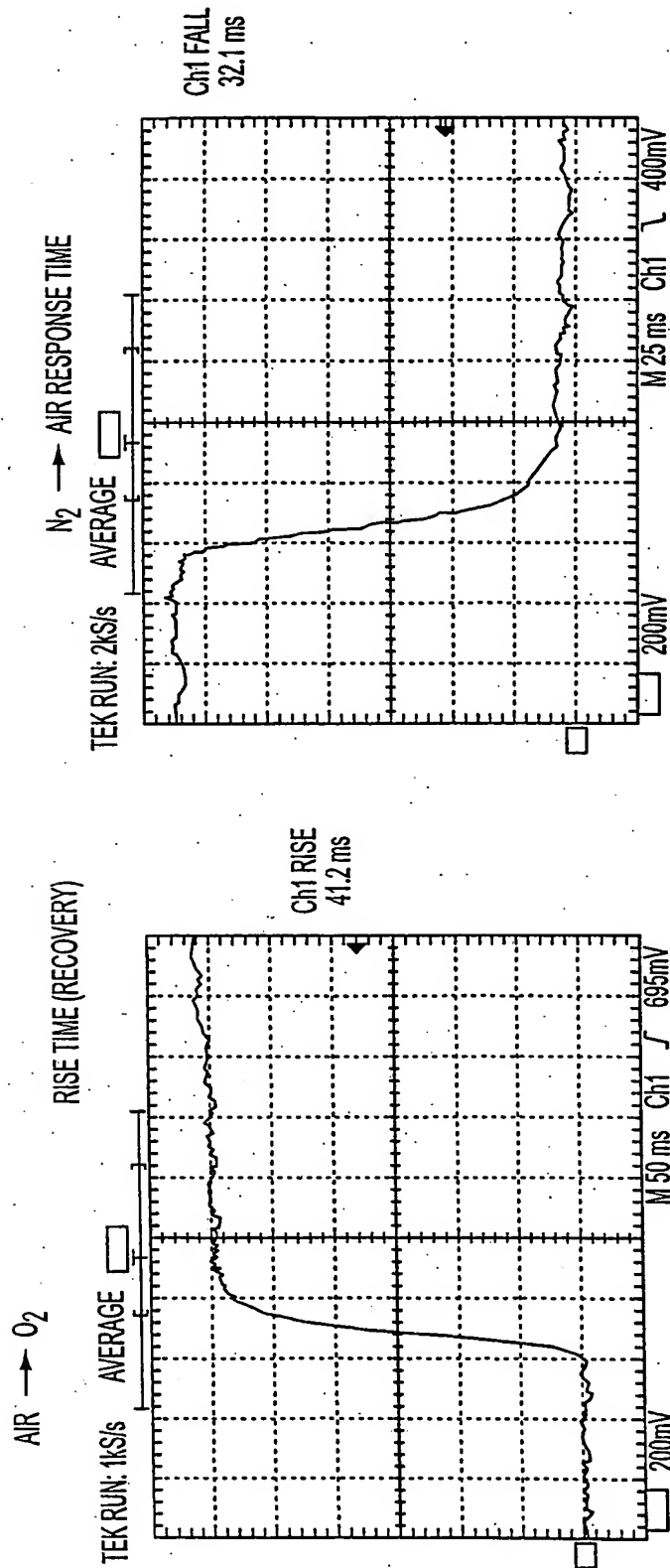


FIG. 28B

FIG. 28A

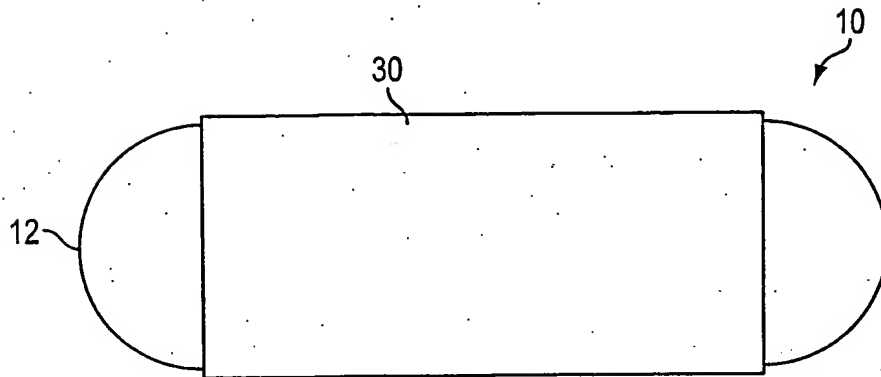


FIG. 29A

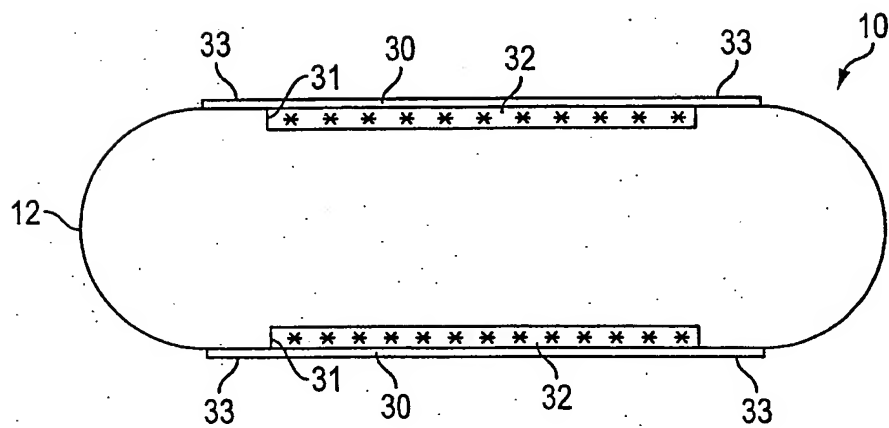


FIG. 29B